QUIL CEDA VILLAGE: UNDERGROUND INJECTION CONTROL

1.1 Purpose and Scope

The object and purpose or this report is to detail the results of the analysis, sampling, and monitoring of the quantity and quality of the wastewater effluent and the UIC from the Kubota Membrane treatment plant operated by the Quil Ceda Village, Tulalip Indian Reservation, Snohomish County, Washington from October 4, 2007 through December 11, 2007.

The Quil Ceda Village UIC Disposal System is currently "authorized by Rule" under 40 CFR Section 144.24 and 144.84(a). This rule allows our system to exist and operate for a valid period not to exceed (5) years for capacities not to exceed the maximum hydrologic capacity of 250,000 gallons per day. We are in the third quarter of the fifth year under this rule and are averaging about 154,900 gallons per day.

The Quil Ceda UIC disposal system must comply with, among other requirements, 40 CFR Section 144.12(a) which prohibits any underground injection that may endanger any underground source of drinking water. The rule further requires that the operator monitor the effluent to document compliance with those Federal Drinking water standards, and the report non-compliance within 24 hours.

1.2 Site Locations and Descriptions

The Borough of Quil Ceda Village UIC has 19 groundwater monitoring wells collocated with 19 injection vaults and each vault has ten injection points within the infiltration field. These wells are identified and located in Quil Ceda Village map on EXHIBIT A. In addition, there are three monitoring wells on the east side of I-5 and four monitoring wells within the borough identified as B3, B4, B5 and B7. We have two monitoring sites C1 and C2. The monitoring wells are constructed with Schedule 40 PVC in 11 inch bore. The I.D. is a 2-inch with varied depths, well screen with a .010 slot, and PVC slip cap. The annulus seal in a medium bentonite chip with varied depths, but around sixteen feet.

1.3 Sampling and Analysis

Field Testing:

Our class V disposal system must comply with, among other requirements, 40 CFR Section 144.12(a) which prohibits an underground injection that may endanger an underground source of drinking water. Monitoring of water quality allows us to detect trends and interpret the physical parameters of our effluent and the ground water we are injecting into. The parameters we monitored in the field this period were PH and Conductivity. We call this field testing, because in the past we rented equipment and did

the test our self. Samples are now collected and taken to the CCI Analytical Lab in Everett, Washington to be tested with the other samples.

- 1. PH: This is a measure of how acidic or basic a solution is. The ph is affected by minerals dissolved in the water, aerosols and dust from the air, respiration from plants and animals and the manmade wastes. The scale is 0.0 (highly acidic) to 14.0 (highly basic). The ph levels are critical to the survival of aquatic plants and animals. Many species have trouble surviving with ph levels below 5.0. The lowest recorded this period was at N-8 and that was 5.8 during the November 07, 2007 testing. The highest was at the Wastewater Treatment Plant and that was 7.5 during the December 11, 2007 testing. The standards are 6.5 to 9.0. The ph leaving the plant ranged from 7.1 to 7.5 so the lower ph in the field should not be caused by the effluent leaving the Wastewater Treatment Plant.
- 2. Conductivity: This is a measurement of a solution's ability to conduct an electrical current. It is the item dissolved in the water, which determines the level of conductivity. Dissolved solids such as chloride, nitrate, phosphate anions, (ions that carry a negative charge) or sodium, magnesium, calcium, iron and aluminum cations (ions that carry a positive charge) all affect the conductivity in water. Organic compounds like oil, phenol, alcohol, and sugar do not conduct electric currents well and therefore have a low conductivity when in water. By comparing conductivity readings on a regular basis on can tell what changes have occurred. The wells reported a range of 39 in B-3 (12/11/2007) to 590 in N-9 (11/7/2007), very similar to previous test. The plant reported a range from 570 in November 7, 2007 to 810 in December 11, 2007. The reason for the high range is due to the ammonia count on the discharged effluent. This is caused by lack of dissolved oxygen during treatment process. The maximum limit is 700.

The complete results are shown in EXHIBIT B.

Lab Testing

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The lab testing was conducted by CCI analytical Laboratories, Inc. Everett, Wa. The samples were collected in the field and transported to CCI Lab. The chain of custody and collection procedures required by the Standard Operating Procedures, Tulalip Tribes, and May 2002 were followed.

The samples were tested for Ammonia, Nitrate, Nitrite, TKN, Total Phosphorus and Phosphate.

The overall nitrate levels were high in the wells on sampling period, 12/11/2007, with N-8 at 140 mg/L also N-7 with 71 mg/L. The plant Nitrate level on 12/11/07 was at 0.70 mg/L. The plant was not the cause of the nitrate level. The plant did not have a high nitrate level on the quarter. On 11/4/2007 it was at 0.70 mg/L and on 12/11/-7 it was at 0.89 mg/L. This is a indication that the reason for the high levels of nitrates in the UIC

wells is not a cause from the plant. The Plant Phosphate levels were, 11/4/2007 = ND (<0.07) mg/L, 12/11/2007 = 1.5 mg/L. The complete results are in EXHIBIT C.

1.4 Hydrological

The monitoring of the hydrologic capacity and the ground water levels were checked and recorded in EXHIBIT B. The water levels continue to demonstrate that the effluent does not affect the water levels. We used the four north wells during the entire period.

1.5 Precipitation

The Arlington Air Port (North) cumulative average for the last five years was 7.58 inches and the Boeing Field (South) was an average of 5.6 inches.

1.6 Conclusion

The Quil Ceda UIC continues to work well into the ending of our fifth year. The nitrates are up and down with the one spike in December, 2007. The high conductivity is still being watched. The ground water level is within limits. The overall report is good.

Lukas Reyes

Q.C.V Utility And Environmental Services

Utilities Superintendent.

Report Reviewed By:

Thomas W. Gobin

Q.C.V Utility And Environmental Services

Utilities Manager

Thomas McKinsey

Special Projects Manager

John McCoy

Q.C.V General Manager.

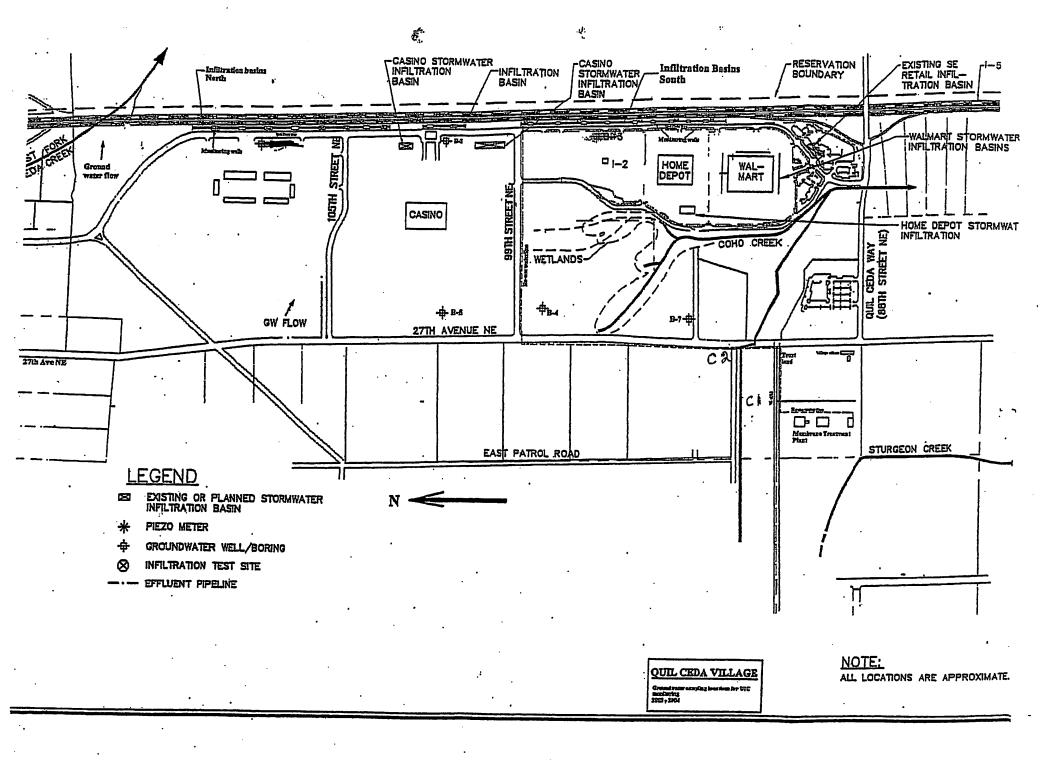


EXHIBIT B: FIELD REPORT & WELL DATA

Quil Ceda Village UIC

THIRD QUARTER

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Date:							
	Location	Wate	er ELE	PH		Conductivity	Meter reading
7/31/2007	N-7	N/A			5.7	430	N/A
	N-8	N/A			5.9	520	N/A
	N-9	N/A			5.9	500	N/A
	C-1	N/A			6.4	460	N/A
	C-2	N/A			6.8	170	N/A
	B-3	N/A			6.1	120	N/A
	B-5	N/A			6.2	110	N/A
	PLANT	N/A			6.4	530	N/A
9/5/2007	N-7		13.5		6.4	450	27191500
	N-8	ļ	13.8		6.5	490	16384100
	N-9		13.8		6.5	580	16302500
	N-10		13.2	N/A		N/A	14720500
	C-1	N/A		N/A		N/A	N/A
	C-2	N/A			6.7	200	N/A
	B-3	1	13.1		6.7	43	N/A
	B-5		4.9		6.3	110	N/A
	PLANT			L	7.5	1100	N/A
10/4/2007	N-7		13.5		5.6	810	28555400
	N-8		13.94		6.1	850	17285000
	N-9		13.98		6.4	750	17231900
	C-1	N/A			5	130	N/A
	C-2		8.3		6.9	760	N/A
	B-3		13.5		6.7	41	N/A
	B-5		4.65		6.2	100	N/A
	PLANT	N/A			7.1	510	N/A

FOURTH QUARTER

11/7/2007	N-7		14	6	530	30365400
	N-8		14.5	5.8	460	18356400
	N-9		14.45	6.3	590	18327100
	C-1		8.2	5.9	500	N/A
	C-2	N/A		6.4	140	N/A
	B-3		13.8	5.7	42	N/A
	B-5		4.7	5.4	90	N/A
	PLANT	N/A		6.9	570	N/A
12/11/2007	N-7		13.4	6.2	710	32087900
	N-8	1	13.8	6.2	780	19397800
	N-9		13.8	6.3	750	19389700
	C-1		7.1	6.2	510	N/A
	C-2	N/A		6.8	120	N/A
	B-3		13.2	6.5	39	N/A
	B-5		-ક્ર∴9	6.2	91	N/A
	PLANT	N/A		7.5	810	N/A

1 . 11-7-07

Present at site: Special Projects

Weather: Clear

Temp 4/5

Weather

Well#	Time:	Depth to Water:	Total Gals	Weekly Gals Depth + or -
4-7	10:40	14.0	30365400	
	10:30		·	
W-8	10:30	14.5	18356400	
N-9	10:17	14.41/2	18327/00	
N-10	10:05	13.71/2	16735/00	
7-3	11:12	13.8		
B-5	11:25	4.7		
<u>C-1</u>	12:06	8.2	•	
	<u> </u>	1		
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1 = 12-11-07

Present at site: Special Projects

Tutslip Tribes of Washington: Special Projects Department

Weather: Clenn2

Temp 48

Weather

Well#	Time:	Depth to Water:	Total Gals	Weekly Gals	Depth + or -
N-7	9.52	13.4	32087900		
N-8	9:48	13.8	19397800		
NA	9:40	13.8	19389700		
N-10	9:35	13	17796200		
^ <u>-3</u>	10:15	13.2			
B-5	10:25	3.9			•
C-1	10.150	7.4			ilea, tale a second
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EXHIBIT C: CCI ANALYTICAL REPORTS



CLIENT: QUIL CEDA VILLAGE UTILITIES

8802 27TH AVE NE TULALIP, WA 98271

DATE: CCIL JOB #:

11/21/2007 0711025

DATE RECEIVED:

11/7/2007

WDOE ACCREDITATION #:

C1336

CLIENT CONTACT:

LUKAS REYES CLIENT PROJECT ID: 2007EFFWQ

CLIENT SAMPLE ID:

11/7/2007 10:50 N-7

CCIL SAMPLE #:

-01

DATA RESULTS							
ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY		
pH	EPA-150.1	6.0	pH UNITS	11/7/2007	ZD		
Nitrate Nitrite Phosphate	EPA-300.0 EPA-300.0 EPA-300.0	46 ND(<0.15) ND(<0.07)	MG/L MG/L MG/L	11/8/2007 11/8/2007 11/8/2007	CEO CEO		
Conductivity	EPA-120.1	530	UMHOS/CM	11/12/2007	CEO		
Ammonia	EPA-350.1	0.039	MG/L	11/9/2007	ARI		
Total Kjeldahl Nitrogen (TKN) Total Phosphorous	EPA-351.1 EPA-365.1	ND(<0.200) 0.032	MG/L MG/L	11/9/2007 11/15/2007	ARI ARI		

[&]quot;NO" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES.

[&]quot; UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS



CLIENT: QUIL CEDA VILLAGE UTILITIES

8802 27TH AVE NE TULALIP, WA 98271

DATE: CCIL JOB #:

11/21/2007

DATE RECEIVED:

0711025 11/7/2007

WDOE ACCREDITATION #:

C1336

CLIENT CONTACT:

LUKAS REYES CLIENT PROJECT ID: 2007EFFWQ

CLIENT SAMPLE ID:

11/7/2007 10:35 N-8

CCIL SAMPLE #:

DATA RESULTS							
ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY		
pH	EPA-150.1	5.8	pH UNITS	11/7/2007	ZD		
Nitrate Nitrite Phosphate	EPA-300.0 EPA-300.0 EPA-300.0	14 1.0 ND(<0.07)	MG/L MG/L MG/L	11/8/2007 11/8/2007 11/8/2007	CEO CEO		
Conductivity	EPA-120.1	460	UMHOS/CM	11/12/2007	CEO		
Ammonia	EPA-350.1	0.026	MG/L	11/9/2007	ARI		
Total Kjeldahl Nitrogen (TKN) Total Phosphorous	EPA-351.1 EPA-365.1	0.21 0.020	MG/L MG/L	11/9/2007 11/15/2007	ARI ARI		

^{**}ND* INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES.

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8802 27TH AVE NE TULALIP, WA 98271

DATE: CCIL JOB #: 11/21/2007

DATE RECEIVED:

0711025 11/7/2007

WDOE ACCREDITATION #:

C1336

CLIENT CONTACT: CLIENT PROJECT ID: 2007EFFWQ

LUKAS REYES

CLIENT SAMPLE ID:

11/7/2007 10:20 N-9

CCIL SAMPLE #:

-03

DATA RESULTS								
ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY			
pH	EPA-150.1	6.3	pH UNITS	11/7/2007	ZD			
Nitrate Nitrite Phosphate	EPA-300.0 EPA-300.0 EPA-300.0	35 ND(<0.15) 4.2	MG/L MG/L MG/L	11/8/2007 11/8/2007 11/8/2007	CEO CEO			
Conductivity	EPA-120.1	590	UMHOS/CM	11/12/2007	CEO			
Ammonia	EPA-350.1	13	MG/L	11/9/2007	ARI			
Total Kjeldahl Nitrogen (TKN) Total Phosphorous	EPA-351.1 EPA-365.1	13 1.7	MG/L MG/L	11/9/2007 11/15/2007	ARI ARI			

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8802 27TH AVE NE TULALIP, WA 98271

DATE: CCIL JOB #:

11/21/2007 0711025

DATE RECEIVED: WDOE ACCREDITATION #: 11/7/2007

C1336

CLIENT CONTACT: CLIENT PROJECT ID: 2007EFFWQ

LUKAS REYES

CLIENT SAMPLE ID:

11/7/2007 12:10 C-1

CCIL SAMPLE #:

-04

DATA RESULTS							
ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY		
рН	EPA-150.1	5.9	pH UNITS	11/7/2007	ZD		
Nitrate Nitrite Phosphate	EPA-300.0 EPA-300.0 EPA-300.0	4.9 ND(<0.15) 0.31	MG/L MG/L MG/L	11/8/2007 11/8/2007 11/8/2007	CEO CEO		
Conductivity	EPA-120.1	500	UMHOS/CM	11/12/2007	CEO		
Ammonia	EPA-350.1	12	MG/L	11/9/2007	ARI		
Total Kjeldahl Nitrogen (TKN) Total Phosphorous	EPA-351.1 EPA-365.1	13 11	MG/L MG/L	11/9/2007 11/15/2007	ARI ARI		

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8802 27TH AVE NE TULALIP, WA 98271

DATE: CCIL JOB #: 11/21/2007

DATE RECEIVED:

0711025 11/7/2007

WDOE ACCREDITATION #:

C1336

CLIENT CONTACT:

LUKAS REYES CLIENT PROJECT ID: 2007EFFWQ

CLIENT SAMPLE ID:

11/7/2007 11:35 C-2

CCIL SAMPLE #:

-05

DATA RESULTS							
ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY		
pH	EPA-150.1	6.4	pH UNITS	11/7/2007	ZD		
Nitrate Nitrite Phosphate	EPA-300.0 EPA-300.0 EPA-300.0	4.0 ND(<0.15) ND(<0.07)	MG/L MG/L MG/L	11/8/2007 11/8/2007 11/8/2007	CEO CEO		
Conductivity	EPA-120.1	140	UMHOS/CM	11/12/2007	CEO		
Ammonia	EPA-350.1	0.080	MG/L	11/9/2007	ARI		
Total Kjeldahl Nitrogen (TKN) Total Phosphorous	EPA-351.1 EPA-365.1	0.65 0.063	MG/L MG/L	11/9/2007 11/15/2007	ARI ARI		

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8802 27TH AVE NE TULALIP, WA 98271

DATE: CCIL JOB #:

11/21/2007

DATE RECEIVED:

0711025 11/7/2007

WDOE ACCREDITATION #:

C1336

CLIENT CONTACT: CLIENT PROJECT ID: 2007EFFWQ

LUKAS REYES

CLIENT SAMPLE ID:

11/7/2007 11:15 B-3

CCIL SAMPLE #:

-06

DATA RESULTS							
ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY		
pH	EPA-150.1	5.7	pH UNITS	11/7/2007	ZD		
Nitrate Nitrite Phosphate	EPA-300.0 EPA-300.0 EPA-300.0	4.1 ND(<0.15) ND(<0.07)	MG/L MG/L MG/L	11/8/2007 11/8/2007 11/8/2007	CEO CEO		
Conductivity	EPA-120.1	42	UMHOS/CM	11/12/2007	CEO		
Ammonia	EPA-350.1	0.041	MG/L	11/9/2007	ARI		
Total Kjeldahl Nitrogen (TKN) Total Phosphorous	EPA-351.1 EPA-365.1	ND(<0.200) 0.058	MG/L MG/L	11/9/2007 11/15/2007	ARI ARI		

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8802 27TH AVE NE TULALIP, WA 98271

DATE: CCIL JOB #: 11/21/2007

DATE RECEIVED:

0711025 11/7/2007

WDOE ACCREDITATION #:

C1336

CLIENT CONTACT: CLIENT PROJECT ID: 2007EFFWQ

LUKAS REYES

CLIENT SAMPLE ID: 11/7/2007 11:26 B-5

CCIL SAMPLE #:

DATA RESULTS								
ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY			
pH	EPA-150.1	5.4	pH UNITS	11/7/2007	ZD			
Nitrate Nitrite Phosphate	EPA-300.0 EPA-300.0 EPA-300.0	ND(<0.14) ND(<0.15) ND(<0.07)	MG/L MG/L MG/L	11/8/2007 11/8/2007 11/8/2007	CEO CEO			
Conductivity	EPA-120.1	90	UMHOS/CM	11/12/2007	CEO			
Ammonia	EPA-350.1	0.15	MG/L	11/9/2007	ARI			
Total Kjeldahl Nitrogen (TKN) Total Phosphorous	EPA-351.1 EPA-365.1	0.21 0.14	MG/L MG/L	11/9/2007 11/15/2007	ARI ARI			

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CLIENT: QUIL CEDA VILLAGE UTILITIES

8802 27TH AVE NE TULALIP, WA 98271 DATE:

11/21/2007

CCIL JOB #:

0711025

DATE RECEIVED: WDOE ACCREDITATION #: 11/7/2007 C1336

CLIENT CONTACT:

LUKAS REYES CLIENT PROJECT ID: 2007EFFWQ

CLIENT SAMPLE ID:

11/7/2007 11:40 PLANT

CCIL SAMPLE #:

	DATA R	ESULTS			
ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
pH	EPA-150.1	6.9	pH UNITS	11/7/2007	ZD
Nitrate Nitrite Phosphate	EPA-300.0 EPA-300.0 EPA-300.0	0.89 ND(<0.15) ND(<0.07)	MG/L MG/L MG/L	11/8/2007 11/8/2007 11/8/2007	CEO CEO
Conductivity	EPA-120.1	570	UMHOS/CM	11/12/2007	CEO
Ammonia	EPA-350.1	4.2	MG/L	11/9/2007	ARI
Total Kjeldahl Nitrogen (TKN) Total Phosphorous	EPA-351.1 EPA-365.1	4.7 0.19	MG/L MG/L	11/9/2007 11/15/2007	ARI ARI

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[&]quot; UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

تته است	CCI Analytical Laboratories
	P620 Holly Drive
	rett; WA 98208
بي ومظهر	ione (425) 356-2600
	(206) 292-9059 Seattle
	(425) 356-2626 Env

REPORT COPY

Chain Of Custody/ Laboratory / alysis Request

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5. <u>C-2</u>	11/2	11:35	Grab	5									-		- 	_	+		-	$\langle \cdot \rangle$	$\overrightarrow{\wedge}$	삵	$\frac{1}{2}$	$\langle \cdot \rangle$	\mathcal{H}			
6. B-3	11/2	11:15	Grab	6						_	\dashv				-	-	+	-		$\frac{1}{2}$		$\langle \cdot \rangle$		$\frac{1}{\sqrt{2}}$	$\frac{1}{2}$	-	2	\dashv
7. B-5	11/7	11:26	Grab	7								\dashv	\dashv		-	-			\dashv	\		\Rightarrow	$\langle \cdot \rangle$	().	\mathcal{H}	+	2	_
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CCI Analytical Laboratories, Inc accepts and processes this request on the terms and conditions set forth on the reverse side. By its signature hereon, Customer accepts these terms and conditions.

SIGNATURES (Name, Company, Date, Time):

TURNAROUND REQUESTED in Business Days*

Organic, Metals & Inorganic Analysis

Organic, Metals & Inorganic Analysis

Fuels & Hydrocarbon Analysis

Fuels & Hydrocarbon Analysis

Fuels & Hydrocarbon Analysis



CLIENT: QUIL CEDA VILLAGE UTILITIES

8802 27TH AVE NE TULALIP, WA 98271

DATE: CCIL JOB #: 12/21/2007

DATE RECEIVED:

0712065 12/11/2007

WDOE ACCREDITATION #:

C1336

CLIENT CONTACT:

LUKAS REYES CLIENT PROJECT ID: 2007EFFWQ

CLIENT SAMPLE ID:

12/11/2007 9:57

CCIL SAMPLE #:

	DATA RESULTS										
ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY						
pΗ	EPA-150.1	6.2	pH UNITS	12/11/2007	ZD						
Nitrate Nitrite Phosphate	EPA-300.0 EPA-300.0 EPA-300.0	71 ND(<0.15) ND(<0.07)	MG/L MG/L MG/L	12/12/2007 12/12/2007 12/12/2007	CEO CEO						
Conductivity	EPA-120.1	710	UMHOS/CM	12/14/2007	CEO						
Ammonia	EPA-350.1	0.017	MG/L	12/12/2007	ARI						
Total Kjeldahl Nitrogen (TKN) Total Phosphorous	EPA-351.1 EPA-365.1	ND(<0.200) 0.028	MG/L MG/L	12/18/2007 12/17/2007	ARI ARI						

[&]quot;NO" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES.

[&]quot; UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS



CLIENT: QUIL CEDA VILLAGE UTILITIES

8802 27TH AVE NE TULALIP, WA 98271

DATE: CCIL JOB #: 12/21/2007 0712065

DATE RECEIVED:

12/11/2007

WDOE ACCREDITATION #:

C1336

CLIENT CONTACT: CLIENT PROJECT ID: 2007EFFWQ

LUKAS REYES

CLIENT SAMPLE ID:

12/11/2007 9:50

N-8

CCIL SAMPLE #:

-02

	DATA RESULTS										
ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY						
рН	EPA-150.1	6.2	pH UNITS	12/11/2007	ZD						
Nitrate	EPA-300.0	140	MG/L	12/12/2007	CEO						
Nitrite	EPA-300.0	1.2	MG/L	12/12/2007	CEO						
Phosphate	EPA-300.0	ND(<0.07)	MG/L	12/12/2007	CEO						
Conductivity	EPA-120.1	780	UMHOS/CM	12/14/2007	CEO						
Ammonia	EPA-350.1	0.26	MG/L	12/12/2007	ARI						
Total Kjeldahl Nitrogen (TKN)	EPA-351.1	0.28	MG/L	12/18/2007	ARI						
Total Phosphorous	EPA-365.1	0.024	MG/L	12/17/2007	ARI						

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8802 27TH AVE NE TULALIP, WA 98271

DATE: CCIL JOB #:

12/21/2007

DATE RECEIVED:

0712065 12/11/2007

WDOE ACCREDITATION #:

C1336

CLIENT CONTACT: CLIENT PROJECT ID: 2007EFFWQ

LUKAS REYES

CLIENT SAMPLE ID:

12/11/2007 9:40

CCIL SAMPLE #:

-03

	DATA R	ESULTS			
ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
pH	EPA-150.1	6.3	pH UNITS	12/11/2007	ZD
Nitrate Nitrite Phosphate	EPA-300.0 EPA-300.0 EPA-300.0	64 ND(<0.15) 3.5	MG/L MG/L MG/L	12/12/2007 12/12/2007 12/12/2007	CEO CEO
Conductivity	EPA-120.1	750	UMHOS/CM	12/14/2007	CEO
Ammonia	EPA-350.1	12	MG/L	12/12/2007	ARI
Total Kjeldahl Nitrogen (TKN) Total Phosphorous	EPA-351.1 EPA-365.1	13 1.2	MG/L MG/L	12/18/2007 12/17/2007	ARI ARI

[&]quot;ND" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT, REPORTING LIMIT IS GIVEN IN PARENTHESES.

[&]quot; UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS



CLIENT: QUIL CEDA VILLAGE UTILITIES

8802 27TH AVE NE TULALIP, WA 98271

DATE: CCIL JOB #: 12/21/2007

DATE RECEIVED:

0712065 12/11/2007

WDOE ACCREDITATION #:

C1336

CLIENT CONTACT: CLIENT PROJECT ID: 2007EFFWQ

LUKAS REYES

CLIENT SAMPLE ID:

12/11/2007 10:55 C-1

CCIL SAMPLE #:

-04

	DATA R	ESULTS			
ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
рН	EPA-150.1	6.2	pH UNITS	12/11/2007	ZD
Nitrate Nitrite Phosphate	EPA-300.0 EPA-300.0 EPA-300.0	9.1 ND(<0.15) ND(<0.07)	MG/L MG/L MG/L	12/12/2007 12/12/2007 12/12/2007	CEO CEO
Conductivity	EPA-120.1	510	UMHOS/CM	12/14/2007	CEO
Ammonia	EPA-350.1	4.3	MG/L	12/12/2007	ARI
Total Kjeldahl Nitrogen (TKN) Total Phosphorous	EPA-351.1 EPA-365.1	4.8 2.1	MG/L MG/L	12/18/2007 12/17/2007	ARI ARI

^{* &}quot;ND" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES.

[&]quot; UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS



CLIENT: QUIL CEDA VILLAGE UTILITIES

8802 27TH AVE NE TULALIP, WA 98271 DATE:

12/21/2007

CCIL JOB #:

0712065

DATE RECEIVED: WDOE ACCREDITATION #:

12/11/2007 C1336

CLIENT CONTACT: CLIENT PROJECT ID: 2007EFFWQ

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CLIENT SAMPLE ID: 12/11/2007 10:40 C-2

CCIL SAMPLE #:

-05

	DATA R	ESULTS			
ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
рН	EPA-150.1	6.8	pH UNITS	12/11/2007	ZD
Nitrate	EPA-300.0	3.1	MG/L	12/12/2007	CEO
Nitrite	EPA-300.0	ND(<0.15)	MG/L	12/12/2007	CEO
Phosphate	EPA-300.0	ND(<0.07)	MG/L	12/12/2007	CEO
Conductivity	EPA-120.1	120	UMHOS/CM	12/14/2007	CEO
Ammonia	EPA-350.1	0.086	MG/L	12/12/2007	ARI
Total Kjeldahl Nitrogen (TKN)	EPA-351.1	0.68	MG/L	12/18/2007	ARI
Total Phosphorous	EPA-365.1	0.065	MG/L	12/17/2007	ARI

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CLIENT: QUIL CEDA VILLAGE UTILITIES

8802 27TH AVE NE TULALIP, WA 98271 DATE:

12/21/2007

CCIL JOB #: DATE RECEIVED:

0712065 12/11/2007

WDOE ACCREDITATION #:

C1336

CLIENT CONTACT: CLIENT PROJECT ID: 2007EFFWQ

LUKAS REYES

CLIENT SAMPLE ID:

12/11/2007 10:15 B-3

CCIL SAMPLE #:

-06

	DATA RESULTS										
ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY						
pH	EPA-150.1	6.5	pH UNITS	12/11/2007	ZD						
Nitrate	EPA-300.0	4.6	MG/L	12/12/2007	CEO						
Nitrite	EPA-300.0	ND(<0.15)	MG/L	12/12/2007	CEO						
Phosphate	EPA-300.0	ND(<0.07)	MG/L	12/12/2007	CEO						
Conductivity	EPA-120.1	39	UMHOS/CM	12/14/2007	CEO						
Ammonia	EPA-350.1	0.016	MG/L	12/12/2007	ARI						
Total Kjeldahl Nitrogen (TKN)	EPA-351.1	ND(<0.200)	MG/L	12/18/2007	ARI						
Total Phosphorous	EPA-365.1	0.11	MG/L	12/17/2007	ARI						

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CLIENT: QUIL CEDA VILLAGE UTILITIES

8802 27TH AVE NE TULALIP, WA 98271 DATE:

12/21/2007

CCIL JOB #: DATE RECEIVED: 0712065

WDOE ACCREDITATION #:

12/11/2007 C1336

CLIENT CONTACT: CLIENT PROJECT ID: 2007EFFWQ

LUKAS REYES

CLIENT SAMPLE ID:

12/11/2007 10:30 B-5

CCIL SAMPLE #:

-07

	DATA R	ESULTS			
ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
pH	EPA-150.1	6.2	pH UNITS	12/11/2007	ZD
Nitrate	EPA-300.0	0.53	MG/L	12/12/2007	CEO
Nitrite	EPA-300.0	ND(<0.15)	MG/L	12/12/2007	CEO
Phosphate	EPA-300.0	ND(<0.07)	MG/L	12/12/2007	CEO
Conductivity	EPA-120.1	91	UMHOS/CM	12/14/2007	CEO
Ammonia	EPA-350.1	0.097	MG/L	12/12/2007	ARI
Total Kjeldahl Nitrogen (TKN)	EPA-351.1	0.34	MG/L	12/18/2007	ARI
Total Phosphorous	EPA-365.1	0.049	MG/L	12/17/2007	ARI

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DATE: CCIL JOB #:

12/21/2007

DATE RECEIVED:

0712065 12/11/2007

WDOE ACCREDITATION #:

C1336

CLIENT CONTACT: CLIENT PROJECT ID: 2007EFFWQ

LUKAS REYES

CLIENT SAMPLE ID:

12/11/2007 11:05 PLANT

CCIL SAMPLE #:

-08

	DATA RESULTS										
ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY						
pH	EPA-150.1	7.5	pH UNITS	12/11/2007	ZD						
Nitrate	EPA-300.0	0.70	MG/L	12/12/2007	CEO						
Nitrite	EPA-300.0	0.58	MG/L	12/12/2007	CEO						
Phosphate	EPA-300.0	1.5	MG/L	12/12/2007	CEO						
Conductivity	EPA-120.1	810	UMHOS/CM	12/14/2007	CEO						
Ammonia	EPA-350.1	32	MG/L	12/12/2007	ARI						
Total Kjeldahl Nitrogen (TKN)	EPA-351.1	36	MG/L	12/18/2007	ARI						
Total Phosphorous	EPA-365.1	0.62	MG/L	12/17/2007	ARI						

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CCI Analytical Laboratories
~620 Holly Drive
erett, WA 98208
none (425) 356-2600
(206) 292-9059 Seattle
(425) 356-2626 Fax

Chain Of Custody/ Laboratory . . . alysis Request

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11:50 SIGNATURES (Name, Continany, Date Time) 1. Relinquished By:

2. Relinquished By:

5 3

Organic, Metals & Inorganic Analysis

OTHER:

Fuels & Hydrocarbon Analysis

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